

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WD9XID

(Call Sign)

0181-EX-ST-2008

(File Number)

NAME Orbital Sciences Corporation

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Testing Passive Intermodulation Products of a satellite down to the third order.

Station Locations

(1) Virginia (LOUDOUN), VA - NL 39-00-50; WL 77-25-40

Frequency Information

Virginia (LOUDOUN), VA - NL 39-00-50; WL 77-25-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10951 MHz	FX	40K0N0N	47.3 W (ERP)	1.0E-6 %
10952 MHz	FX	40K0N0N	47.3 W (ERP)	1.0E-6 %
10995 MHz	FX	40K0N0N	618 kW (ERP)	1.0E-6 %

This authorization effective August 15, 2008 and
will expire 3:00 A.M. EST October 01, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Virginia (LOUDOUN), VA - NL 39-00-50; WL 77-25-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11020 MHz	FX	40K0N0N	618 kW (ERP)	1.0E-6 %
11451 MHz	FX	40K0N0N	47.3 W (ERP)	1.0E-6 %
11451.5 MHz	FX	40K0N0N	47.3 W (ERP)	1.0E-6 %
11496 MHz	FX	40K0N0N	618 kW (ERP)	1.0E-6 %
11698 MHz	FX	40K0N0N	26.3 W (ERP)	1.0E-6 %
11699 MHz	FX	40K0N0N	26.3 W (ERP)	1.0E-6 %
12511 MHz	FX	40K0N0N	741 kW (ERP)	1.0E-6 %
12520 MHz	FX	40K0N0N	380 kW (ERP)	1.0E-6 %
12530 MHz	FX	40K0N0N	741 kW (ERP)	1.0E-6 %
12550 MHz	FX	40K0N0N	380 kW (ERP)	1.0E-6 %

Frequency Information

Virginia (LOUDOUN), VA - NL 39-00-50; WL 77-25-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12710 MHz	FX	40K0N0N	741 kW (ERP)	1.0E-6 %
12720 MHz	FX	40K0N0N	741 kW (ERP)	1.0E-6 %
12726.5 MHz	FX	40K0N0N	195 kW (ERP)	1.0E-6 %
12730 MHz	FX	40K0N0N	741 kW (ERP)	1.0E-6 %
12748 MHz	FX	40K0N0N	47.3 W (ERP)	1.0E-6 %
12749 MHz	FX	40K0N0N	47.3 W (ERP)	1.0E-6 %

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.